

MRLEGPGLSLLCLVLALPALLPVPVAVRGVAETPTYPWRDAETGERLVCAQCPCPGTFVQR
PCRRDSPTTCGPCPPRHYTQFWNYLERCRYCNVLCGEREEEARACHATHNRACRCRTGFF
AHAGFCLEHASCPPGAGVIAPGTPSQNTQCQPCPGTFSASSSSSEQCQPHRNCTALGLA
LNVPGSSSHDTLCTSGFPLSTRVPGAEECERAVIDFVAFQDISIKRLQRLQALEAPE
GWGPTPRAGRAALQLKLRRRLTELLGAQDGALLVRLQALRVARMPGLERSVRERFLPVH

Fig. 1

09896096-062804

10995096-062801

GCCGAGACAGCCCCACGACGTGTGGCCCGTGTCCACCGCGCCACTACACG
CAGTTCTGGAANTAACTGGAGCNCTGCCGCTACTGNAACGTCCTCTGNNG
GGAGCGTGAGGAGGAGGCACGGGCTTGCCACGCCACCCACAACCGTGCCT
GCCGCTGCCGCACCGGCTTCTTCGCGCACGCTGGTTTCTGCTTGGAGCAC
GCATCGTGTCCACCTGGTGCCGGCGTGATTGCCCCGGGCACCCCCAGCCA
GAACACGCAGTGCCTAGCCGTGCCCCCAGGCACCTTCTCAGCCAGCAGC
TCCAGCTCAGAGCAGTGCCAGCCCCACCGCAACTGCACGGCCCTGGGCCT
GGCCCTCAATGTGCCAGGCTCTTCCTCCCATGACACCCTGTGCACCACT
GCACTGGCTTCCCCCTCAGCACCAGGGTACCAGGAGCTGAGGAGTGTGAG
CGTGCCGTCATCGACTTTGTGGCTTTCCAGGACATCTCCAT

Fig. 3

SEQ ID NO: 4 128 GCCGAGACAGCCCAACGACGTGTGGCCCGTGTCCACCGCGCCACTACACG
 SEQ ID NO: 5 1 GCCGAGACAGCCCAACGACGTGTGGCCCGTGTCCACCGCGCCACTACACG
 SEQ ID NO: 6 1
 SEQ ID NO: 3 1 GCCGAGACAGCCCAACGACGTGTGGCCCGTGTCCACCGCGCCACTACACG

SEQ ID NO: 4 178 CA-TTCTGGAACCTACCTGGAGCGC
 SEQ ID NO: 5 51 CAGTTCTGGAANTAACTGGAGCNCCTGCCGCTACTGNAACGTCCTCTGNGG
 SEQ ID NO: 6 2 CAGTTCTGGAACCTACCTGGAGCGCTGCCGCTACTGCAACGTCCTCTGCGG
 SEQ ID NO: 3 51 CAGTTCTGGAANTAACTGGAGCNCCTGCCGCTACTGNAACGTCCTCTGNGG

SEQ ID NO: 5 101 GGAGCNTGAGGAGGAGGCANGNGCTTGCCACGCCACCCACAACCGGCCT
 SEQ ID NO: 6 52 GGAGCGTGAGGAGGAGGCACGGGCTTGCCACGCCACCCACAACCGTGCCCT
 SEQ ID NO: 7 1 GAGGGCCCCCAGGAGTGTTGCCACGCCACCCACAACCGTGCCCT
 SEQ ID NO: 3 101 GGAGCGTGAGGAGGAGGCACGGGCTTGCCACGCCACCCACAACCGTGCCCT

SEQ ID NO: 5 151 GCNGCTGCAGACCGGNTTCTTCGCGCACGCTGNTTCTGCTTGGAGCAC
 SEQ ID NO: 6 102 GCCGCTGCCGCACCGGCTTCTTCGCGCACGCTGGTTTCTGCTTGGAGCAC
 SEQ ID NO: 7 32 TGGCAGGGGTACAGTTGCTGGTCCCAGCCTTGACCCCTGAGCTAGGACAC
 SEQ ID NO: 3 151 GCCGCTGCCGCACCGGCTTCTTCGCGCACGCTGGTTTCTGCTTGGAGCAC

SEQ ID NO: 5 201 GCATCGTGTCCACCTGGTGNCGGCGTGATTGCNCCGGGCACCCCCAGCCA
 SEQ ID NO: 6 152 GCATCGTGTCCACCTGGTGCCTGGCGGTGATTNCCCGGGCACCCCCAGCCA
 SEQ ID NO: 7 82 CAGTTCCCTGACCCCTGTTCTTCCCTCCTGGCTGCAGGCACCCCCAGCCA
 SEQ ID NO: 8 1 GCATCGTGTCCACCTGGTGCCTGGCGGTGATTGCCCGGGCACCCCCAGCCA
 SEQ ID NO: 10 1 CTTGTCCACCTGGTGCCTGGCGGTGATTNCCC-GGGCACCCCCAGCCA
 SEQ ID NO: 3 201 GCATCGTGTCCACCTGGTGCCTGGCGGTGATTGCCCGGGGCACCCCCAGCCA

Fig. 4

SEQ ID NO: 5 251 GAACACGCA - TGCAAAGCCGTG
 SEQ ID NO: 7 132 GAACACGAGN - CC - AGCCGTGCCCCCAGGCACCTTCTCAGCCAGCAGC
 SEQ ID NO: 8 51 GAACACGAG - GCCTAGCCGTGCCCCCAGGCACCTTCTCAGCCAGCAGC
 SEQ ID NO: 10 47 GAACACGAGTGC - AGCNT - CCCCCAGGCACCTTCTCAGCCAGCAGC
 SEQ ID NO: 9 1 AGCNGTGCCNCCNAGGCACCTTCTCAGCCAGCAGT
 SEQ ID NO: 3 251 GAACACGAGTGCCTAGCCGTGCCCCCAGGCACCTTCTCAGCCAGCAGC

 SEQ ID NO: 7 182 TCCAGCTCAGAGCAGTGCCAGCCCCACCGAACTGCACGGCCCTGGGCCT
 SEQ ID NO: 8 101 TCCAGCTCAGAGCAGTGCCAGCCCCACCGAACTGCACGGCCCTGGGCCT
 SEQ ID NO: 10 97 TCCAGCTCAGAGCAGTGCCAGCCCCACCGAACTGCACGGCCCTGGNC - T
 SEQ ID NO: 9 36 TCCAGCTCAGAGCAGTGCCAGCCCCACCGAACTGCACGGCCCTGGGCCT
 SEQ ID NO: 3 301 TCCAGCTCAGAGCAGTGCCAGCCCCACCGAACTGCACGGCCCTGGGCCT

 SEQ ID NO: 7 232 GGCCCTCAATGTGCCAGGCTCTTCTCCCATGACACCCCTGTGCACCCAG
 SEQ ID NO: 8 151 GGCCCTCAATGTGCCAGGCTCTTCTCCCATGACACCCCTGTGCACCCAGCT
 SEQ ID NO: 10 147 GGCCCTCAATGTGCCAGGCTCTTCTCCCATGACACCCCTGTGCACCCAGCT
 SEQ ID NO: 9 86 GGCCCTCAATGTGCCAGGCTCTTCTCCCATGACACCCCTGTGCACCCAGCT
 SEQ ID NO: 3 351 GGCCCTCAATGTGCCAGGCTCTTCTCCCATGACACCCCTGTGCACCCAGCT

 SEQ ID NO: 10 197 GCACTGGCTTCCCCCTCAGCACCCAGGTACCAGGAGCTGAGGAGTGTGAG
 SEQ ID NO: 9 136 GCACTGGCTTCCCCCTCAGCACCCAGGTACCAGGAGCTGAGGAGTGTGAG
 SEQ ID NO: 3 401 GCACTGGCTTCCCCCTCAGCACCCAGGTACCAGGAGCTGAGGAGTGTGAG

 SEQ ID NO: 10 247 CGTGCCGTCATCGACTTTGTGGCTTCCAGGACATCTCCAT
 SEQ ID NO: 9 186 CGTGCCGTCATCGACTTTGTGGCTTCCAGGACATCTCCAT
 SEQ ID NO: 3 451 CGTGCCGTCATCGACTTTGTGGCTTCCAGGACATCTCCAT

Fig. 4. (cont.)

MRALGPGISLLCIVLALPAIHVPAVRGVAIIPITYPWFDALIG
 MAPVAVWAALAVGLELWAAAHALPAQVAFIPYAPLPGSTCRLRYYOOI

CARD1
CARD2

45	E	R	L	V	C	A	Q	C	P	P	G	I	F	V	O	R	P	C	R	R	D	S	P	T	T	C	G	P	C	P	P	R	H	Y	T	O	F	W	N	Y	L	E	R	C	R	Y	C	N	V	L
50	A	Q	M	C	C	S	K	C	S	P	G	H	A	K	V	F	C	T	K	I	S	D	T	V	C	D	S	C	E	O	S	T	Y	T	O	L	W	N	W	V	P	E	C	L	S	C	G	S	A	

CRD2 CRD3

95	C	G	E	E	E	A	R	A	C	H	A	T	H	N	R	A	C	R	T	G	F	F	A	H	A	G	.	F	C	L	E	H	A	S	C	P	P	G	A	G	V					
100	C	S	S	D	Q	V	E	T	O	A	C	T	R	E	Q	N	R	I	C	T	C	R	P	G	W	Y	C	A	L	S	K	Q	E	G	C	R	L	C	A	P	L	R	K	C	R	P	G	F	G	V

CRD3 CRD4

139 I A P G T F S Q N T Q C O P C P P G T F S A S S S S S E Q C O P H R N C T A L G L A L N V P G S S S S
150 A R P G T E T S D V Y C K P C A P G T F S N T T S S T O I C R P H Q I C H V V A I P G N A S

CRD4

109 HDTLC TSC TGF PLSTRVPGAE ECERAV IDFVAFQDISIKRLQRLLOALEA
196 ROAVCTSTSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLL

229 PEGWGPTF--RAGRAALOLKLRRRLTELLGAODGALLVRLQLQALRVARMP
X: PMGSPSPAEGSTGDFALPVGLIVGVTAALGLLIIGVNVCMVMTQVKKKPL-

287 G L E R S Y R E R F L P V H
293 C L O R E A K V P H L P A O K A R G T Q G P E Q O H L L I T A P S S S S S S L E S S A S A L O R R A

3X1 P T R N Q P O A P G V E A S G A G E A R A S T G S S D S S P G G H G T Q V N Y T C I V N V C S S S D

79) HSSQCSSSQASSSTMGOTDSSPSFSPKDFQVPFSKEECAFRSOLETPETLLG

43 S T E E K P L P L G V P D A G M K P S

Fig. 5

1990-1991		1991-1992		1992-1993		1993-1994		1994-1995		1995-1996		1996-1997		1997-1998		1998-1999		1999-2000		2000-2001		2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-2012		2012-2013		2013-2014		2014-2015		2015-2016		2016-2017		2017-2018		2018-2019		2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025		2025-2026		2026-2027		2027-2028		2028-2029		2029-2030		2030-2031		2031-2032		2032-2033		2033-2034		2034-2035		2035-2036		2036-2037		2037-2038		2038-2039		2039-2040		2040-2041		2041-2042		2042-2043		2043-2044		2044-2045		2045-2046		2046-2047		2047-2048		2048-2049		2049-2050		2050-2051		2051-2052		2052-2053		2053-2054		2054-2055		2055-2056		2056-2057		2057-2058		2058-2059		2059-2060		2060-2061		2061-2062		2062-2063		2063-2064		2064-2065		2065-2066		2066-2067		2067-2068		2068-2069		2069-2070		2070-2071		2071-2072		2072-2073		2073-2074		2074-2075		2075-2076		2076-2077		2077-2078		2078-2079		2079-2080		2080-2081		2081-2082		2082-2083		2083-2084		2084-2085		2085-2086		2086-2087		2087-2088		2088-2089		2089-2090		2090-2091		2091-2092		2092-2093		2093-2094		2094-2095		2095-2096		2096-2097		2097-2098		2098-2099		2099-2100		2100-2101		2101-2102		2102-2103		2103-2104		2104-2105		2105-2106		2106-2107		2107-2108		2108-2109		2109-2110		2110-2111		2111-2112		2112-2113		2113-2114		2114-2115		2115-2116		2116-2117		2117-2118		2118-2119		2119-2120		2120-2121		2121-2122		2122-2123		2123-2124		2124-2125		2125-2126		2126-2127		2127-2128		2128-2129		2129-2130		2130-2131		2131-2132		2132-2133		2133-2134		2134-2135		2135-2136		2136-2137		2137-2138		2138-2139		2139-2140		2140-2141		2141-2142		2142-2143		2143-2144		2144-2145		2145-2146		2146-2147		2147-2148		2148-2149		2149-2150		2150-2151		2151-2152		2152-2153		2153-2154		2154-2155		2155-2156		2156-2157		2157-2158		2158-2159		2159-2160		2160-2161		2161-2162		2162-2163		2163-2164		2164-2165		2165-2166		2166-2167		2167-2168		2168-2169		2169-2170		2170-2171		2171-2172		2172-2173		2173-2174		2174-2175		2175-2176		2176-2177		2177-2178		2178-2179		2179-2180		2180-2181		2181-2182		2182-2183		2183-2184		2184-2185		2185-2186		2186-2187		2187-2188		2188-2189		2189-2190		2190-2191		2191-2192		2192-2193		2193-2194		2194-2195		2195-2196		2196-2197		2197-2198		2198-2199		2199-2200		2200-2201		2201-2202		2202-2203		2203-2204		2204-2205		2205-2206		2206-2207		2207-2208		2208-2209		2209-2210		2210-2211		2211-2212		2212-2213		2213-2214		2214-2215		2215-2216		2216-2217	
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SCANNED, # 14

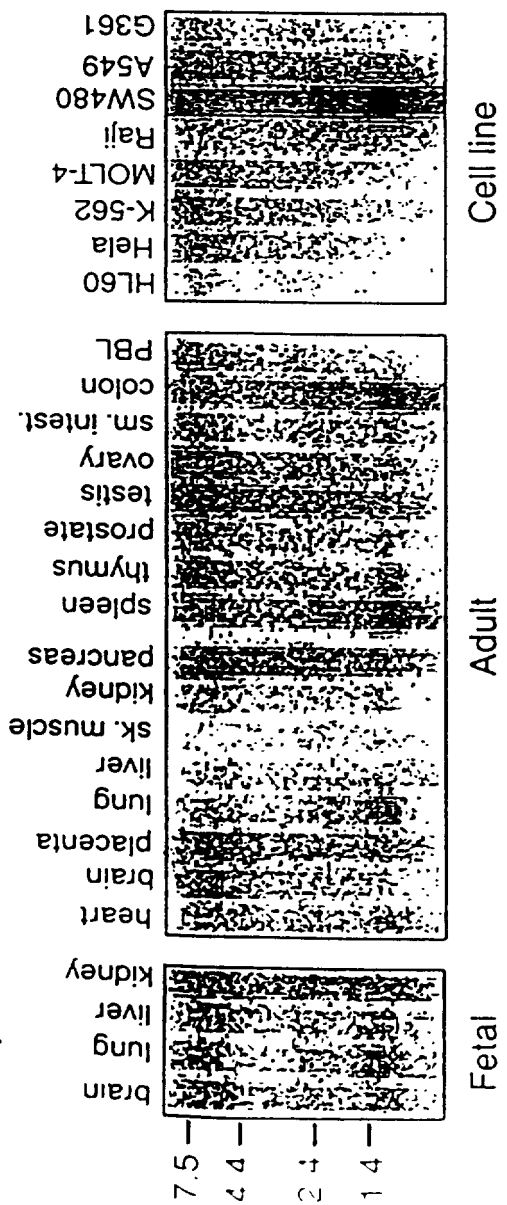


Fig. 7

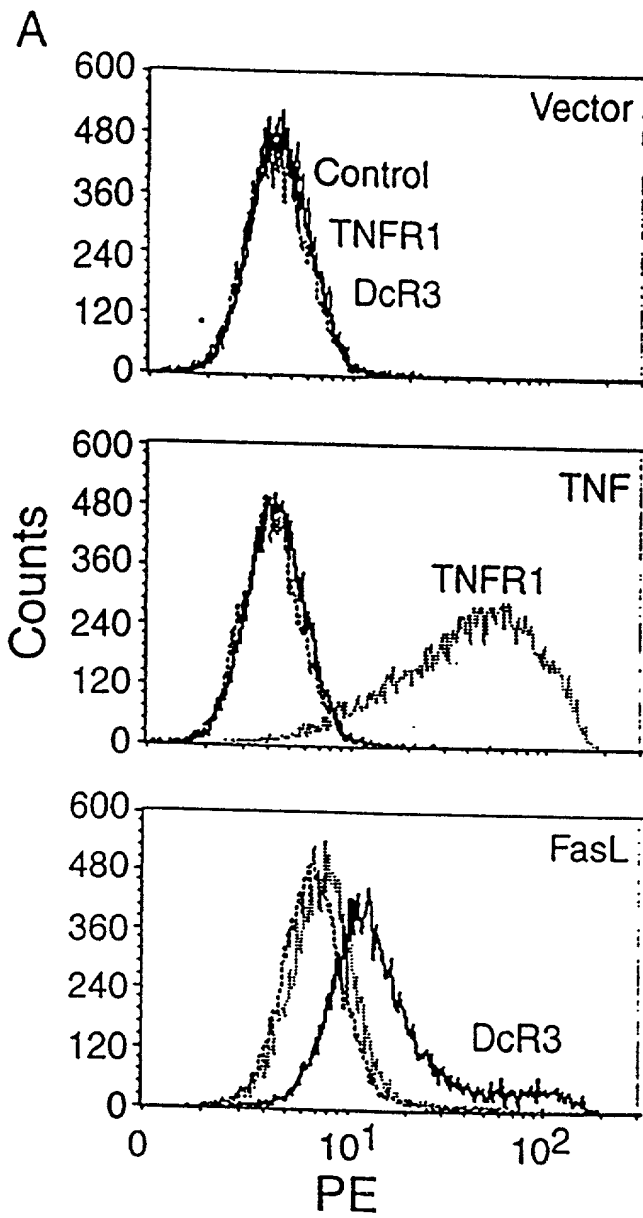
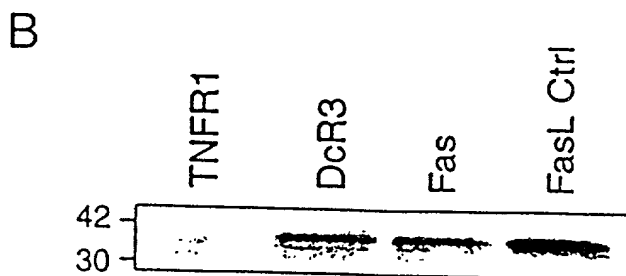


Fig. 8



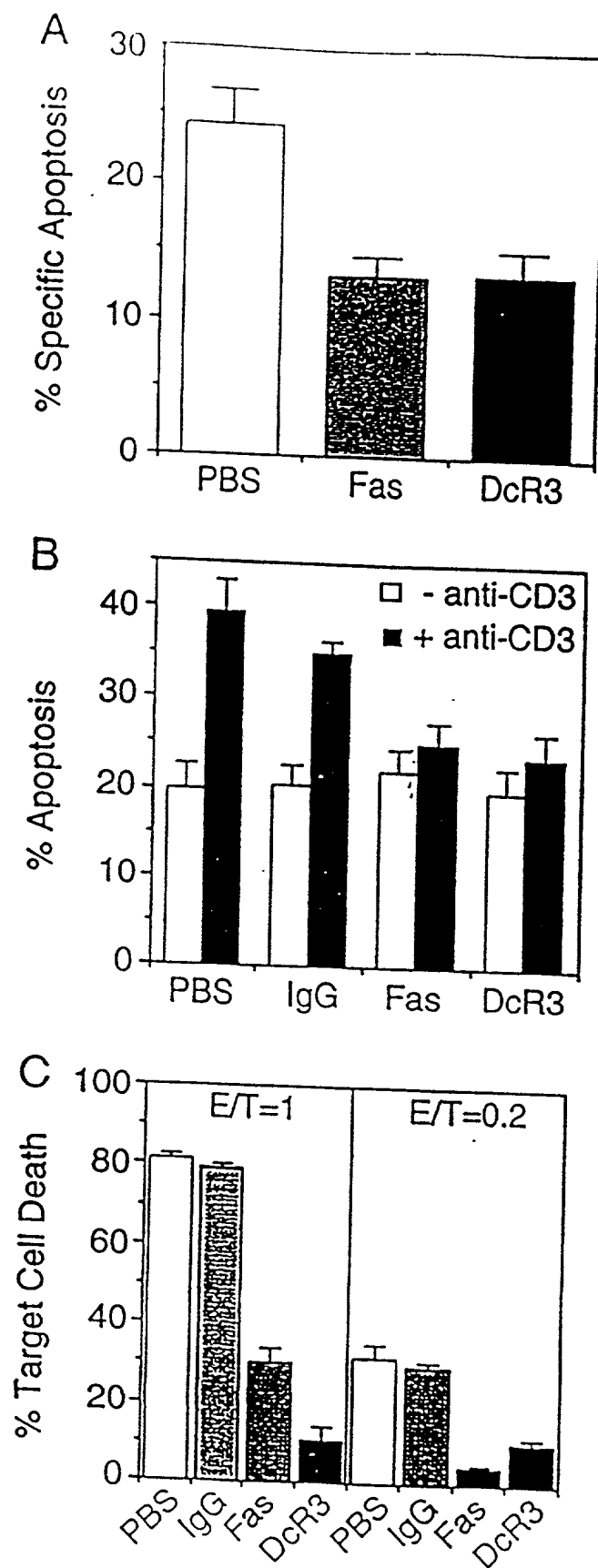


Fig. 9

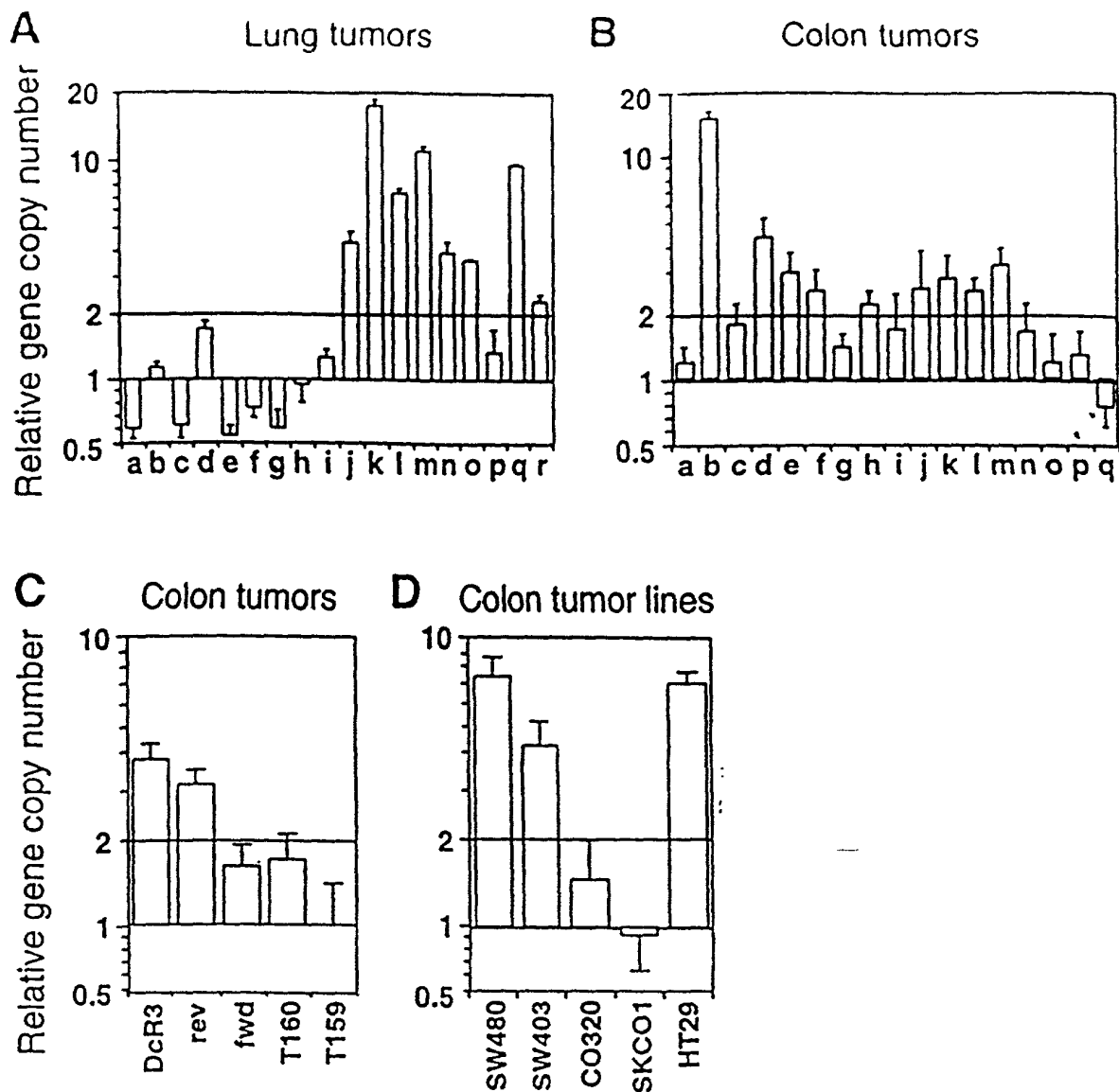


Fig. 10

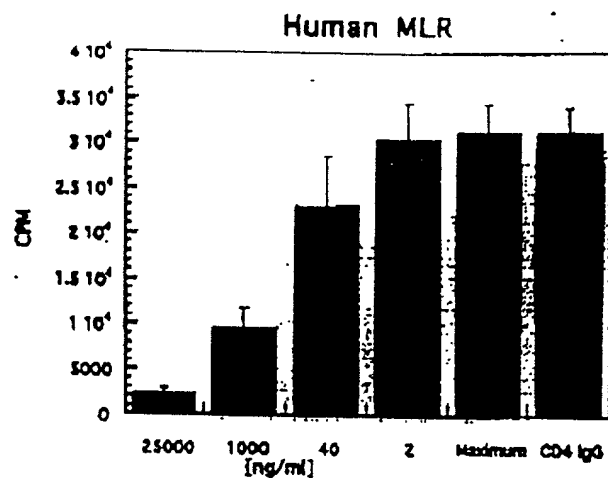


Fig. 11A

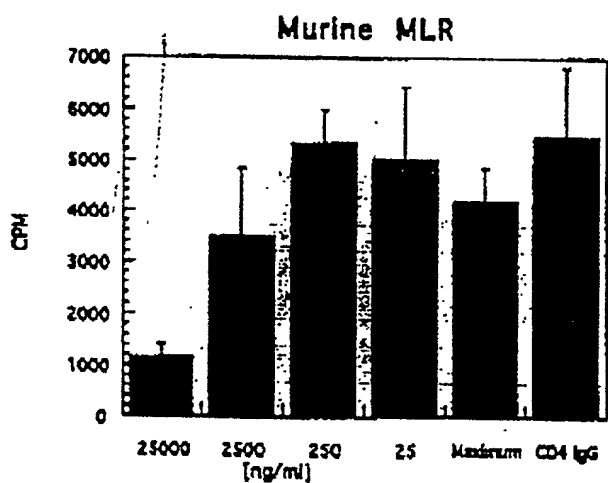


Fig. 11B

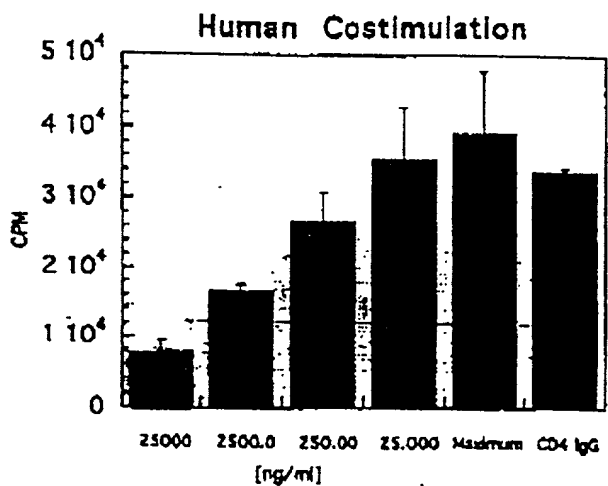


Fig. 11C

FIGURE 12

<u>mAb</u>	<u>Isotype</u>	<u>Antigen Specificity (ELISA)</u>					% Blocking (ELISA)
		<u>DcR3</u>	<u>DR4</u>	<u>DR5</u>	<u>DcR1</u>	<u>OPG</u>	
4B7.1.1	IgG1	+++	-	-	-	-	+
4C4.1.4	IgG2a	+++	-	-	-	-	-
5C4.14.7	IgG2b	+++	-	-	-	-	++
8D3.1.5	IgG1	+++	-	-	-	-	+/-
11C5.2.8	IgG1	+++	-	-	-	-	++

Antigen specificity was determined using 10 microgram/ml mAb.

% blocking activity was determined by ELISA at 100 fold excess of mAb to Fas ligand.

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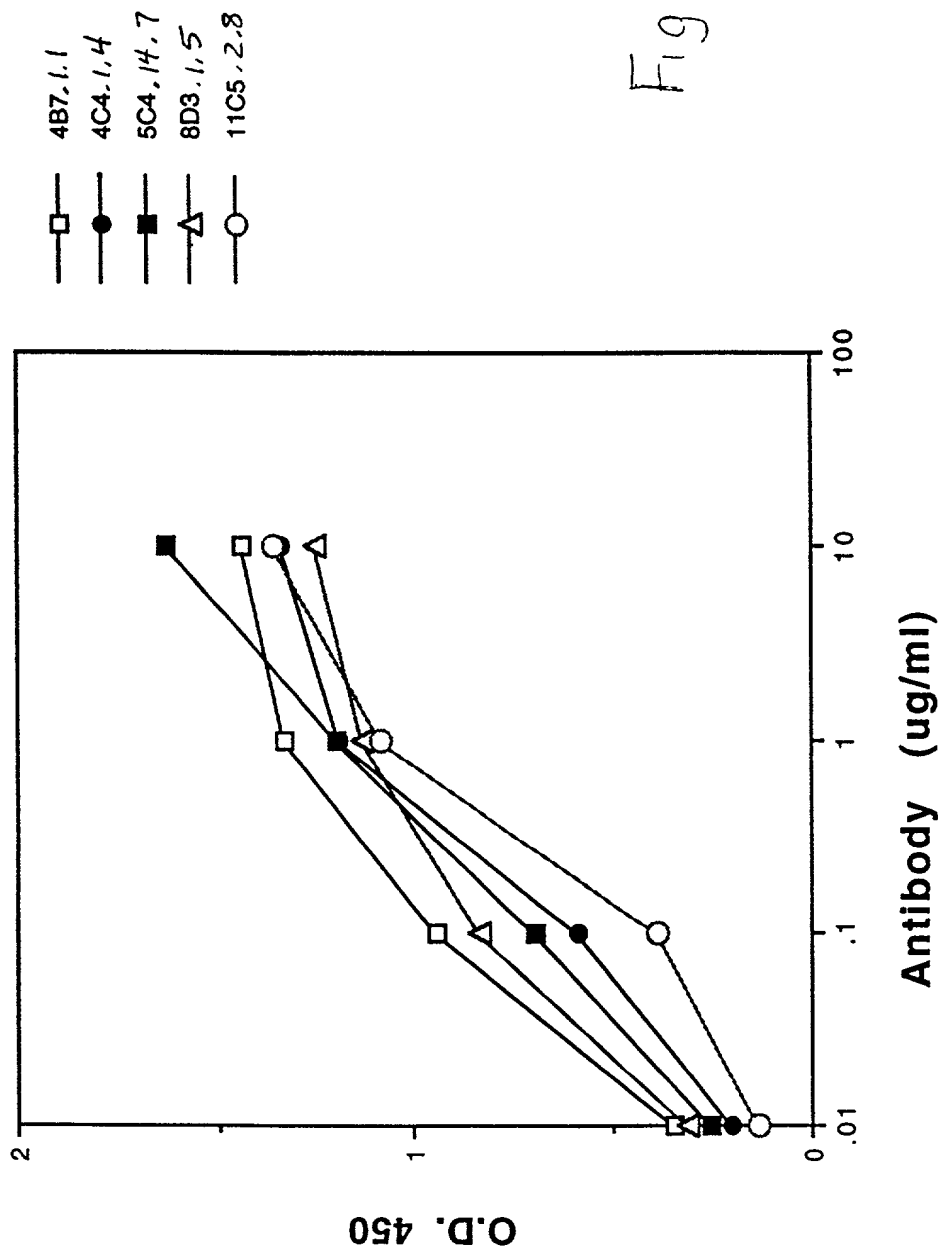


Fig. 13

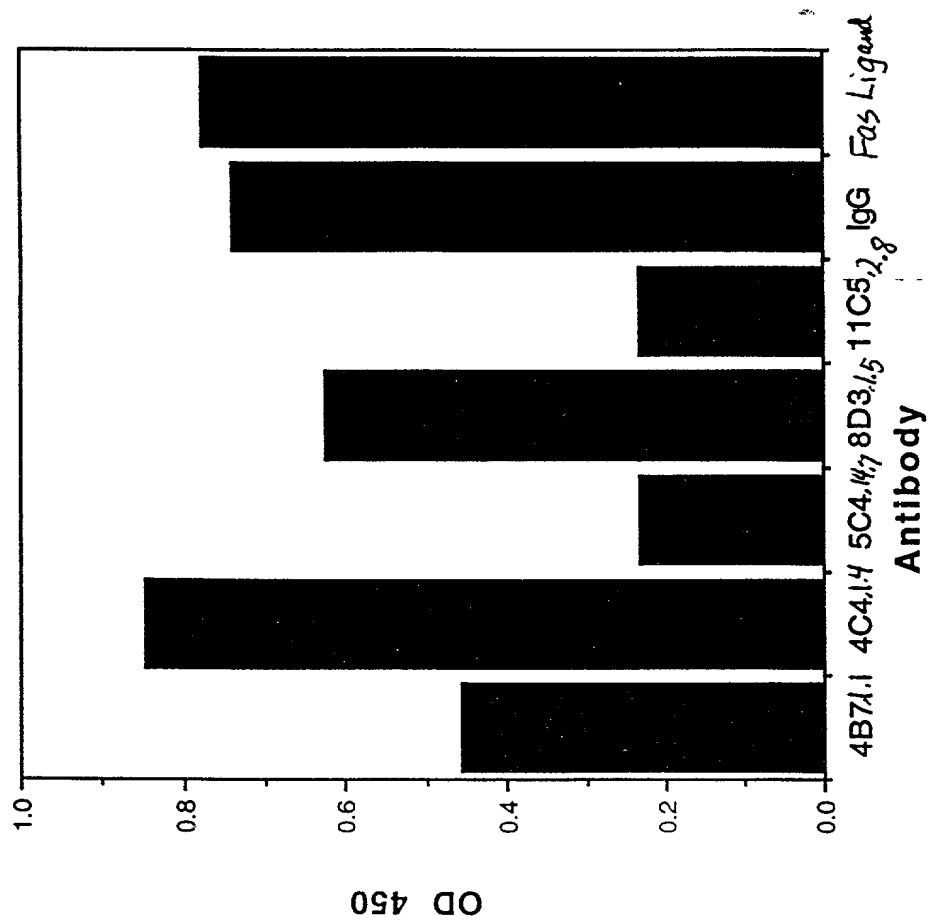


Fig. 14